

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(tomonori adj arai).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:05
S2	53903	arai.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:05
S3	1	S2 and (sex with pheromone)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:06
S4	11525	tomonori.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:06
S5	0	S4 and (sex with attractant)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:14
S6	2625	424/405.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:15
S7	229	514/506.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:15
S8	444	514/529.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:15
S9	929	514/546.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:15
S10	512	514/549.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:15
S11	6	dimethylcyclobutylmethyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18
S12	0	3-isopropenyl-2, 3-dimethylcyclobutylmethyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:17

S13	558	(sex with attractant)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18
S14	48	S6 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18
S15	0	S7 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18
S16	3	S8 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18
S17	9	S9 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18
S18	8	S10 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/07 07:18

=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY
SESSION
0.21

TOTAL
0.21

FILE 'REGISTRY' ENTERED AT 06:27:24 ON 07 FEB 2006
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DICTIONARY FILE UPDATES: 5 FEB 2006 HIGHEST RN 873536-40-4

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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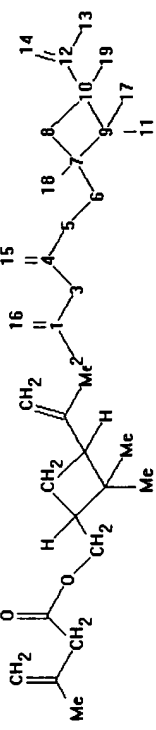
- *****
- * The CA roles and document type information have been removed from *
- * the IDE default display format and the ED field has been added, *
- * effective March 20, 2005. A new display format, IDERL, is now *
- * available and contains the CA role and document type information. *
- *****

Structure search iteration limits have been increased. See HELP SLIMITS
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REGISTRY includes numerically searchable data for experimental and
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<http://www.cas.org/ONLINE/UG/regprops.html>

=> Uploading C:\Program Files\Stnexp\Queries\522a.str



chain nodes :
1 2 3 4 5 6 11 12 13 14 15 16 17 18 19
ring nodes :
7 8 9 10
chain bonds :
1-3 1-2 1-16 3-4 4-5 4-15 5-6 6-7 7-18 9-11 10-12 10-19 12-13

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaev1647

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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- NEWS 3 CASREACT(R) - Over 10 million reactions available
- NEWS 4 DEC 05 2006 MESH terms loaded in MEDLINE/IMEDLINE
- NEWS 5 DEC 14 2006 MESH terms loaded for MEDLINE file segment of TOXCENTER
- NEWS 6 DEC 14 CA/Caplus to be enhanced with updated IPC codes
- NEWS 7 DEC 21 IPC search and display fields enhanced in CA/Caplus with the
- NEWS 8 IPC reform
- NEWS 9 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
- NEWS 10 USPAT2
- NEWS 11 JAN 13 IPC 8 searching in IFIPAT, IFTUDE, and IFICDB
- NEWS 12 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
- NEWS 13 INPADOC
- NEWS 14 JAN 17 Pre-1988 INPI data added to MARPAT
- NEWS 15 JAN 17 IPC 8 in the WPI family of databases including WPIFV
- NEWS 16 JAN 30 Saved answer limit increased
- NEWS 17 JAN 31 Monthly current-awareness alert (SDI) frequency
- NEWS 18 added to TULSA

NEWS EXPRESS
JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
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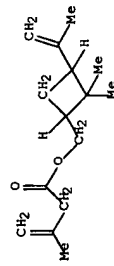
FILE 'HOME' ENTERED AT 06:27:11 ON 07 FEB 2006

12-14
ring bonds :
7-8 7-9 8-10 9-10
exact/norm bonds :
4-5 4-15 7-8 7-9 8-10 9-10
exact bonds :
1-3 1-2 1-16 3-4 5-6 6-7 7-18 9-11 9-17 10-12 10-19 12-13 12-14

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom 9:Atom
10:Atom 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
STR
L1



Structure attributes must be viewed using STN Express query preparation.

=> s l1 FAM FULL
FULL SEARCH INITIATED 06:28:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12 TO ITERATE
100.0% PROCESSED 12 ITERATIONS
SEARCH TIME: 00.00.01

2 ANSWERS

L2 2 SEA FAM FUL L1

=> d l2 1-2 ibib hitstr
'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data

SOIDE3 - Same as SOIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN
CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

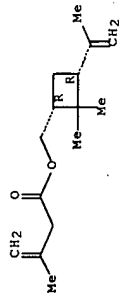
For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 3-Butenoic acid, 3-methyl-, [(1R,3R)-2,2-dimethyl-3-(1-methylethenyl)cyclobutyl]methyl ester (9CI)
MF C15 H24 O2

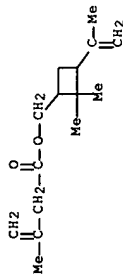
Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 2 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 3-Butenoic acid, 3-methyl-, [2,2-dimethyl-3-(1-methylethenyl)cyclobutyl]methyl ester (9CI)
MF C15 H24 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file hcaplus uspatfull
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 66.57
TOTAL SESSION 66.78

FILE 'HCAPLUS' ENTERED AT 06:29:29 ON 07 FEB 2006
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FILE 'USPATFULL' ENTERED AT 06:29:29 ON 07 FEB 2006
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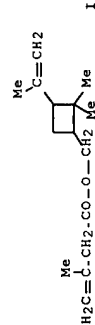
=> s 12
L3 3 12

=> d l3 ibib abs hitstr

L3 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:428887 HCAPLUS Full-text
DOCUMENT NUMBER: 140:401774

TITLE: Novel ester compound as attractant of Pseudococcus cryptus
INVENTOR(S): Arai, Tomonori
PATENT ASSIGNEE(S): Incorporated Administrative Agency, National Agriculture and Bio-Oriented Research Organization, Japan
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004043896	A1	20040527	WO 2003-JP14303	20031111
JP 2004161654	A2	20040610	JP 2002-328482	20021112
PRIORITY APPLN. INFO.:			JP 2002-328482	A 20021112

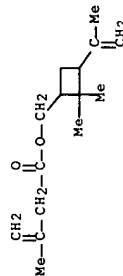


AB A novel ester compd. is 3-isopropenyl-2,2-dimethylcyclobutylmethyl 3-methyl-3-butenate, and used as a sexual attractant. The compound is represented by the following formula (I).

IT 690242-72-9

RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)
(as attractant of Pseudococcus cryptus)

RN 690242-72-9 HCAPLUS
CN 3-Butenoic acid, 3-methyl-, [2,2-dimethyl-3-(1-methylethenyl)cyclobutyl]methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3
THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his full

(FILE 'HOME' ENTERED AT 06:27:11 ON 07 FEB 2006)
FILE 'REGISTRY' ENTERED AT 06:27:24 ON 07 FEB 2006
STRUCTURE UPLOADED
D L1
2 SEA FAM FUL L1
D SCAN
FILE 'HCAPLUS, USPATFULL' ENTERED AT 06:29:29 ON 07 FEB 2006
3 SEA L2
D L3 IBIB ABS HITSTR

FILE HOME
FILE REGISTRY
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STRUCTURE FILE UPDATES: 5 FEB 2006 HIGHEST RN 873536-40-4
DICTIONARY FILE UPDATES: 5 FEB 2006 HIGHEST RN 873536-40-4

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* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regsprops.html>

FILE HCAPLUS

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FILE COVERS 1907 - 7 Feb 2006 VOL 144 ISS 7
FILE LAST UPDATED: 6 Feb 2006 (20060206/ED)
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This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Feb 2006 (20060202/PD)
FILE LAST UPDATED: 2 Feb 2006 (20060202/ED)
HIGHEST GRANTED PATENT NUMBER: US6993790
HIGHEST APPLICATION PUBLICATION NUMBER: US2006026727
CA INDEXING IS CURRENT THROUGH 2 Feb 2006 (20060202/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Feb 2006 (20060202/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

=> d l3 l-3 ibib hitstr

L3 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:428887 HCAPLUS Full-text
DOCUMENT NUMBER: 140:401774

TITLE: Novel ester compound as attractant of Pseudococcus
cryptus

INVENTOR(S): Arai, Tomonori
PATENT ASSIGNEE(S): Incorporated Administrative Agency, National
Agriculture and Bio-Oriented Research Organization,
Japan

SOURCE: PCT Int. Appl., 21 pp.

DOCUMENT TYPE: CODEN: PIXXD2

LANGUAGE: Patent

FAMILY ACC. NUM. COUNT: 1 Japanese

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004043896	A1	20040527	WO 2003-JP14303	20031111
JP 2004161634	A2	20040610	JP 2002-328482	20021112
PRIORITY APPLN. INFO.: IT 690242-72-9			JP 2002-328482	A 20021112

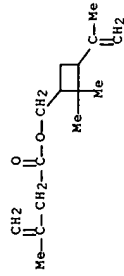
RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological
study); PROC (Process); USES (Uses)

(as attractant of Pseudococcus cryptus)

RN 690242-72-9 HCAPLUS

CN 3-Butenoic acid, 3-methyl-, [2,2-dimethyl-3-(1-

methylethenyl)cyclobutyl]methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:38941 HCAPLUS Full-text
 DOCUMENT NUMBER: 140:287191
 TITLE: Synthesis of the sex pheromone of the citrus mealybug,

AUTHOR(S): Pseudococcus cryptus
 Nakahata, Takashi; Itagaki, Noriaki; Arai, Tomonori;
 Sugie, Hajime; Kuwahara, Shigefumi
 CORPORATE SOURCE: Laboratory of Applied Bioorganic Chemistry, Division
 of Life Science, Graduate School of Agricultural
 Science, Tohoku University, Sendai, 981-8555, Japan
 SOURCE: Bioscience, Biotechnology, and Biochemistry (2003),
 67(12), 2627-2631
 CODEN: BBIEJ; ISSN: 0916-8451

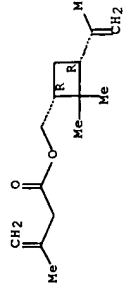
PUBLISHER: Japan Society for Bioscience, Biotechnology, and
 Agrochemistry
 DOCUMENT TYPE: Journal

LANGUAGE: English
 OTHER SOURCE(S): CASREACT 140:287191
 IT 675605-81-9P, (1R,3R)-3-Isopropenyl-2,2-dimethylcyclobutyl)methyl

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation)
 (asym. synthesis of the cyclobutane ester sex pheromone of the citrus
 mealybug, Pseudococcus cryptus)

RN 675605-81-9 HCAPLUS
 CN 3-Butenoic acid, 3-methyl-, [(1R,3R)-2,2-dimethyl-3-(1-
 methylethenyl)cyclobutyl)methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

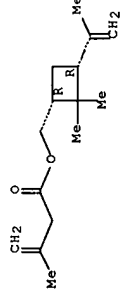
L3 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:833082 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:36321
 TITLE: Identification of a sex pheromone component of

Pseudococcus cryptus
 AUTHOR(S): Arai, Tomonori; Sugie, Hajime; Hiradate, Syuntaro;
 Kuwahara, Shigefumi; Itagaki, Noriaki; Nakahata,
 Takashi
 CORPORATE SOURCE: Department of Citrus Research, National Institute of
 Fruit Tree Science, Kuchinotsu, Nagasaki, 859-2501,
 Japan
 SOURCE: Journal of Chemical Ecology (2003), 29(10), 2213-2223
 CODEN: JCECD8; ISSN: 0098-0331
 PUBLISHER: Kluwer Academic/Plenum Publishers
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 675605-81-9P

RL: BSU (Biological study, unclassified); NPO (Natural product
 occurrence); PRP (Properties); PUR (Purification or recovery); SPN
 (Synthetic preparation); BIOL (Biological study); OCCU (Occurrence); PREP
 (Preparation)

RN 675605-81-9 HCAPLUS
 CN 3-Butenoic acid, 3-methyl-, [(1R,3R)-2,2-dimethyl-3-(1-
 methylethenyl)cyclobutyl)methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d questa
 'QUESTA' IS NOT A VALID FORMAT FOR FILE 'HCAPLUS'

The following are valid formats:

ABS ----- GI and AB
 ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 CLASS ----- IPC, NCL, ECLA, FTERM
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SK, TI, ST, IT
 SCAN ----- CC, SK, TI, ST, IT (random display, no answer numbers;

SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms

HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)

HITRN ----- HIT RN and its text modification

HITSTR ----- HIT RN, its text modification, its CA index name, and

its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its

structure diagram, plus NTE and SEQ fields

PHITSTR ----- First HIT RN, its text modification, its CA index name, and

its structure diagram

PHITSEQ ----- First HIT RN, its text modification, its CA index name, its

structure diagram, plus NTE and SEQ fields

KWIC ----- Hit term plus 20 words on either side

OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field

codes. For a list of the display field codes, enter HELP DFIELDS at

an arrow prompt (=>). Examples of formats include: TI: TI, AU; BIB, ST;

TI, IND: TI, SO. You may specify the format fields in any order and the

information will be displayed in the same order as the format

specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,

PHITSTR, PHITSEQ, PHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC

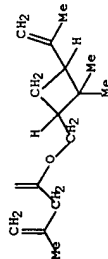
to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):end

=> d l1

L1 HAS NO ANSWERS

L1 STR



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=> d his full

(FILE 'HOME' ENTERED AT 06:27:11 ON 07 FEB 2006)

FILE 'REGISTRY' ENTERED AT 06:27:24 ON 07 FEB 2006

STRUCTURE UPLOADED

D L1

L2 2 SEA FAM FUL L1

D SCAN

FILE 'HCAPLUS, USPATFULL' ENTERED AT 06:29:29 ON 07 FEB 2006

3 SEA L2

D L3 IBIB ABS HITSTR

D L3 1-3 IBIB HITSTR

D L1

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 5 FEB 2006 HIGHEST RN 873536-40-4

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for details.

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on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS

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